

**The Knowledge Bank at The Ohio State University**  
**Ohio State Engineer**

**Title:** Notes of the Campus

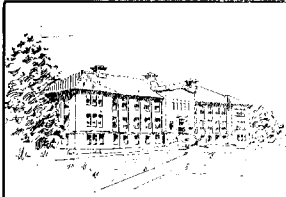
**Issue Date:** Jan-1927

**Publisher:** Ohio State University, College of Engineering

**Citation:** Ohio State Engineer, vol. 10, no. 2 (January, 1927), 22-23, 28-30, 38-39.

**URI:** <http://hdl.handle.net/1811/33862>

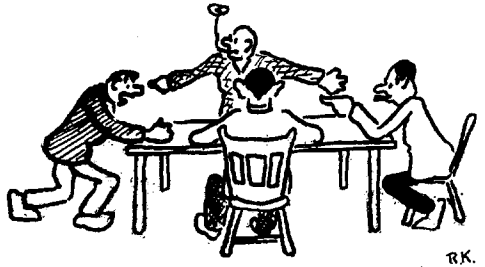
**Appears in Collections:** [Ohio State Engineer: Volume 10, no. 2 \(January, 1927\)](#)



# NOTES OF THE CAMPUS

## INDUSTRIAL ENGINEERING

There is to be a new society of Industrial Engineers on the campus. A meeting was held and plans were made for the formation of a society similar to other departmental societies. Mr. R. Q. Armington is at the head of the group which is to be organized.



Professor Knight has designed a new drill press which is to be put in production in the Industrial Engineering shops this quarter.

## CIVIL ENGINEERING

The Civil Engineering Staff of Instructors held two dinner meetings in the past quarter, at which some subjects were discussed that are of general interest to the Engineering College.

At the first meeting, November 8, conditions at surrounding engineering schools were considered. Graphs showing general attendance, and Civil Engineering attendance were presented. These graphs were constructed from material collected during the summer. The survey includes 15 leading schools from Cornell on the East to Kansas on the West, and it shows some striking trends in enrollment. Michigan, which lead with an enrollment of more than 2000 six years ago, has declined each year and is now below Ohio State by several hundred. Purdue has shown a large gain and is at present the largest school in the group, having an enrollment this fall of 2100. Most of the other schools have shown a healthy growth, with the exception of Wisconsin, where there has been a slight decrease.

Curves were also drawn for attendance in Civil Engineering. Generally a steady growth in attendance is indicated. Copies of these graphs may be seen in Dean Hitchcock's office.

The second dinner meeting of the department was held on December 6. The subject was "Educational Measurements," which includes the preparing of examinations and their marking.

Professor R. C. Sloan reviewed Chapter XI of Stormzand's "Progressive Methods of Teaching," and the subject was discussed by members of the staff who had read other books on the subject. Professor J. H. Weaver of the

Department of Mathematics was a guest at the meeting. Professor Weaver has been especially interested in the subject, and has carried on a series of experiments in mathematics examinations at Ohio State. Some valuable points were brought out, which are to be tried in the department.

## ELECTRICAL ENGINEERING

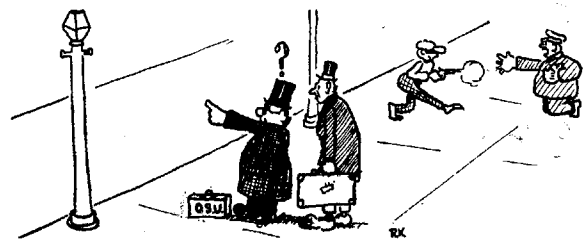
The General Electric Co. is sending out lantern slide films of various phases of the electrical industry with outline lectures. These slides are prepared for use in colleges, and are distributed monthly. The Department of Electrical Engineering has received three of this series, and a projector has been purchased.

Mr. C. E. Skinner of the Westinghouse Co., who addressed the A. I. E. E. December 3, was entertained at dinner at the Faculty Club by members of the department and former classmates.

The Departmental Directory of Electrical Engineering deserves special mention. It is a four-page pamphlet listing all members of the faculty in the department and upper classmen taking the course. Addresses and telephone numbers are given.

Professor Caldwell attended a meeting of the street lighting committee of The Illuminating Engineering Society. The meeting was held last month in Milwaukee for the consideration of street lighting problems. Professor Caldwell was the guest of Mr. E. W. Seegar, an alumnus of Ohio State, who is head of the Engineering Department of the Cutler Hammar Co.

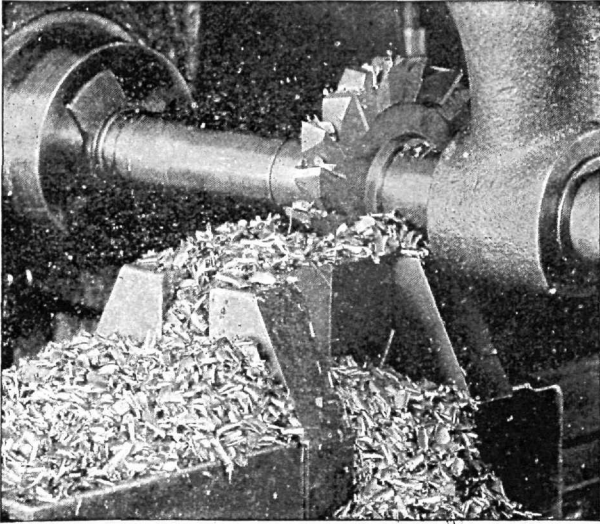
On the way home Professor Caldwell stopped off in Chicago to inspect the lighting system on



State Street. This street lighting system has the highest intensity employed anywhere in the world. With 9000 candle power per post it gives an illumination intensity of 4 foot candles. It is interesting to note that the merchants who installed the system waited two years deciding to spend 100,000 dollars for its installation, and after the lights were put in they spent an equal amount for a grand opening to advertise the system.

Professor Thomas E. French, head of the Department of Engineering Drawing, delivered a

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## *Judge a Cutter by its Chips*

**T**HE worth of a cutter is measured by its chips, and the costs in the milling department of any plant are measured by the "cut ability" of the cutters.

Here is a Brown & Sharpe Staggered Tooth Side Milling Cutter taking a cut  $1\frac{1}{8}$ " wide and 2" deep in steel, and the chips tell a story of clean-cutting performance. But the picture cannot show you the long record of steady service Brown & Sharpe Cutters make on such production work, when every moment gained or lost shows up on the cost sheet.

In the constantly increasing number of plants where "rock bottom milling costs" is the watchword, you'll find much of the cutter equipment stamped Brown & Sharpe.

There is considerable information about cutters in the No. 30 Small Tool Catalog. We will gladly send a copy at your request.

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series of five lectures before the California Teachers' Association. The meeting was held in Los Angeles December 20 to 24. Professor French lectured on Mechanical Drawing and Lettering.

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### HE'S FALLEN FRO' TH' RANKS O' CANNY SINGLE MEN

Miss Erma V. Shrimplin, 68 East Blake Avenue, a senior in the College of Commerce and Journalism, and Harold A. White of Hanover, O., a senior in the College of Engineering and a member of Theta Tau, were united in marriage Friday evening, December 3, at 6:30 o'clock. The ceremony was performed in the Indianola Church of Christ by Rev. W. R. Walker. The couple will reside at 68 East Blake Avenue.

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### COME ON, AVIATORS!

Several students and faculty members recently decided that their deep interest in aeronautics could best be developed if they would unite their efforts. They held an informal meeting, students and faculty members attending jointly, buzzed many queer words, read many letters of vital importance to their plans and finally united and pledged their support to a new society whose aims are to be the active promotion of aviation interests on the campus under the guidance of the American Society for the Promotion of Aviation.

They have announced that any who are interested in aviation may join and thus become active members and have a hand in the formation of the policies and organization of the society. It is felt that there will be a quite general interest in this, the youngest of the family of engineering societies, and that its meetings will be of much value and interest to everyone who is at all interested in this branch of engineering.

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# *The* Ohio State Lantern

Is recognized as the official campus publication.

It prints all news of student interest.

Sums up student opinion thru its editorials.

Serves as an index in telling the student when and where to buy.

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Professors Younger, Norman and Stinson and Assistant Professors Jacklin and Lutzenberger have been most active in the formation and organization of the aeronautical society, and, it is understood, will act as advisors, giving any assistance that they may be able to render, to the organization, which will be formed of engineering students.

## ARCHITECTURE

On Wednesday, December 1, 1926, the Architects' Club elected the following officers: Frank Dickerson, Jr., president; C. Russell Dole, vice-president; Charles Dewey, secretary; and Richard King, treasurer. The following committees have been appointed: Allied Arts Ball, W. D. Riddle, Richard King and Herbert Scofield; Smock Day, Richard Gosline, Charles Sigler and Leroy Henderson; Publicity, Robert Sterrett, Dan Miller, Charles Dewey and Keener Smith; Competitions, George Lincoln, Arthur Brown and Chester Groce; and Advisory Board of The Ohio State Engineer, Carl Meinhardt.

During the recent summer the first Annual Tau Sigma Delta Sketch Competition was held. All students registering in the fall quarter are eligible to enter the competition, except members of Tau Sigma Delta. It was originated by Tau Sigma Delta, Architectural and Allied Arts Honorary Fraternity, in the spring quarter of 1926, to promote sketching and art work by students of Ohio State University. During the first part of the fall quarter all drawings are on exhibition and the winners are judged. First prize is \$15.00, second prize is \$10.00, and third prize is Honorable Mention. The prize money is not given in cash but in the form of books pertaining to art or sketching that are chosen by the winners and approved by the judges. The winners of the first competition were George Merkle, first, and Arthur Brown, second. The sketching may be in any medium. Let this be impressed on the minds of every one that the competition is open to every one registering the fall quarter, except members of the fraternity.

Ohio State architects cleaned up on Architectural Prizes during the recent year. Clarence Badgely graduated from Ohio State in '23 and later entered Columbia to continue the study of architecture. This year he entered the Rome Prize Competition and came out the winner, which means three years in the American Academy in Rome. Russell Krob, also a graduate of '23, entered Columbia. This year he entered the McKim Prize Competition, and won a year's travel in Europe.

A new prize was offered this year which Ohio State men won easily. The new school is The Post Graduate Institute of Architecture and Landscape Architecture, which is located at Lake Forest Institute in Chicago. Students of only four schools are eligible; the schools are Ohio State University, University of Illinois, University of Michigan, and Iowa State Colleges. Four students from each school are sent to Lake Forest Institute, two from the Architectural Department and two from the Landscape Department. The win-

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ners spend twelve weeks in and around Chicago sketching and measuring buildings. They are paired off, a landscape and an architect working together. The last few weeks are spent on a design problem. All work done is taken in consideration and the leading architect and the leading landscape architect are chosen as the winners. These two winners are given one year's travel in Europe. George Ferrenz and Franklin Scott were the architects from Ohio State, Scott winning a year's travel in Europe.

On Wednesday, December 8, Mr. Granger, a well known Chicago architect, was in Columbus and came up to Brown Hall to look over our architectural department. At about two o'clock in the afternoon the Architects Club was called together in Room 104 and Mr. Granger gave us a short talk on our department's good showing at Lake Forest Institute during the summer. As he was connected with the school there this summer, he gave us some important first-hand information.

## MECHANICAL ENGINEERING

Department heads and students representing the University branch of The American Society of Mechanical Engineers attended the annual meeting of the society in New York, December 6 to 10. Professors Magruder, Marquis and Brown attended. W. A. Meiter and J. R. Bolder, students, representing the student branch of the society, also attended. While in New York the party visited the New York Power Show.

## HO! HO! LOOK YE!

Here is a letter we noticed on Professor Magruder's mail rack. It goes something like this:  
December 3, 1926.

Mr. W. T. Magruder,  
Care Ohio State University.  
Dear Friend:

If—

If I offered you a job at \$12 a day, would you take it?

If I told you that to get this job you would have to **do a little studying**, say for a half hour a day, for just a few short months, would you be willing to do that, too?

And if I would show you that the salary of \$12 a day was just a start, and that in a year or two you would be making \$30 or \$40 a day,—then would you do it?

Are you entirely satisfied with your present position?

Perhaps you'll think it's none of my business, and in a way it isn't, but I like to help young fellows.

Each year I take a certain number of fellows and teach them all there is to know about Mechanical Engineering; teach them in a practical way. They work as they are working now—at home, giving me about thirty minutes of their spare time each day. In a few months they know the subject backwards and forwards, and then they just simply step out of the old job into a new and better one.

W. L. Geigle, Pres.

T. H. Brannan, Sec'y

## The Franklin Asphalt Paving Company

310 Comstock Bldg.

208 S. High St.

Columbus, Ohio

Mail the enclosed card, and let me tell you more about it.

Sincerely your friend,  
OSCAR BLAUGHAA,  
(Chief Engineer.)

Professor Magruder is afraid that O. S. U. will lose all of its students and professors if these clearly stated offers are true. There is some consolation, however, in the fact that only a "limited number of young fellows are selected." Professor Magruder did not state whether or not he had applied, but we noticed that the enclosed post card was missing.

## CHEMICAL ENGINEERING

The student branch of the American Institute of Chemical Engineers held a very interesting dinner meeting on Wednesday, December 1, in the dining room of the Ohio Union. The meeting was turned over to round-table discussion. The ability to discuss informally the problems of the chemical engineer certainly was shown at the meeting.

Mr. L. E. Mong and Mr. Charles R. Owens have been engaged in perfecting a novel electrolytic call for the production of caustic soda. Mr. Harry J. Miller and Mr. Willard B. Mitchner have been developing high temperature paints and whitewashes.

Edwin P. Arthur, instructor in Chemical Engineering, Ohio State University, has been appointed contributing editor to the Young Folks Encyclopedia, published by the Midland Press of Chicago. Mr. Arthur will handle the topics of glass, ceramics and other related portions of the work.

We wish to express a sincere hope that the young folks will derive a great amount of profit from Mr. Arthur's contribution.

## METALLURGY

Professor D. J. Demorest, head of the Department of Metallurgy, recently attended a conference of field specialists from all over the world at Pittsburgh, Pa. The major problems of the world's fuel supply were discussed with emphasis on the possibility of making synthetic oil from coal.

The conference was held under the auspices of the United States Bureau of Mines and the Carnegie Institute of Technology. Among the important addresses were "The Production of Oil from Coal by Synthetic Methods," by Franz

Fischer of Mulheim Ruhr, Germany, and "The Transformation of Coal into Oil by Means of Hydrogenation," by Dr. Friedrich Bergius of Heidelberg, Germany.

### MINE ENGINEERING

Professor H. E. Nold, head of the Department of Mine Engineering, and Professor G. A. Bole of the Department of Ceramic Engineering, have been conducting a survey in Ohio covering clay mining and manufacturing. They expect to visit 450 mines and plants throughout the state. The survey is a co-operative agreement under the joint auspices of the Engineering Experiment Station and the Ohio Ceramics Industries Association.

The study is being carried on to find ways, means and methods of improving clay mining and manufacturing. The findings will be published by the Engineering Experiment Station and the Ohio Ceramics Industries Association.

### THE INDUSTRIAL ENGINEER

Co-ordinates all engineering and engineering activities, such as the following:

(Tune: Dunderbeck)

Who is the man designs our pumps with judgment, skill and care?

Who is the man that builds 'em and who keeps them in repair?

Who has to shut them down because the valve seats disappear?

The bearing-wearing, gearing-tearing Mechanical Engineer!

Who buys his juice for half a cent and wants to charge a dime?

Who when we've signed the contract can't deliver half the time?

Who thinks a loss of twenty-six per cent is nothing queer?

The volt-inducing, load-reducing Electrical Engineer!

Who is it takes a transit out to find a sewer to tap?  
Who then with care extreme locates the junction on the map?

Who it is goes to dig it up and finds it nowhere near?

The mud-bespattered, torn and tattered Civil Engineer!

Who thinks without his products we would all be in the lurch?

Who has a heathen idol which he designates Research?

Who tints the creeks, perfumes the air, and makes the landscape drear?

The stink-evolving, grass-dissolving Chemical Engineer!

Who is the man who'll draw a plan for anything you desire?

From a trans-atlantic liner to a hairpin made of wire?

What "ifs" and "ans," "however" and "buts" who makes his meaning clear?

The work-disdaining, fee-retaining Consulting Engineer!

Who builds a road for fifty years that disappears in two?

Then changes his identity, so no one's left to sue?

Who covers all the traveled roads with filthy oily smear?

The bump-providing, rough-on-riding Highway Engineer!

Who takes the pleasure out of life and makes existence hell?

Who'll fire the real good-looking one because she cannot spell?

Who substitutes a dictaphone for coral-tinted ear?

The penny-chasing, dollar-wasting Industrial Engineer!

With the compliments of those good fellows

—The Industrial Engineers.